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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/670,233	09/26/2003	Jun Wakasugi	243016US2	8561
22850	7590	04/14/2006	EXAMINER	
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314			PUENTE, EMERSON C	
			ART UNIT	PAPER NUMBER
			2113	

DATE MAILED: 04/14/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/670,233	Applicant(s) WAKASUGI, JUN	
	Examiner Emerson C. Puente	Art Unit 2113	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 4-8, 11-15 and 18-20 is/are rejected.
- 7) ☒ Claim(s) 2, 3, 9, 10, 16 and 17 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>9/26/03, 2/28/05</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This action is made Non-Final. Claims 1-20 have been examined

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country; more than one year prior to the date of application for patent in the United States.

Claims 1, 4-8, 11-15, and 18-20 are rejected under 35 U.S.C. §102(b) as being clearly anticipated by US Patent No. 5,592,613 of Miyazawa et al. referred hereinafter “Miyazawa”.

In regards to claim 1,8, and 15, Miyazawa discloses:

a first program storage which stores a first program(see figures 14,15 item 60 and column 10 lines 30-35);

a second program storage which stores a second program (see figures 14,15 item 74 and column 10 lines 39-45);

a program counter which outputs execution addresses of said first and second programs (see figures 14,15 item 58 and column 10 line 30-31);

a first address storage which stores a first address in said first program (see figures 12,16 item 32 and column 9 lines 13-17);

a second address storage which stores a second address in said second program (see figures 12,16 item 34 and column 9 lines 13-17);

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a comparator which compares whether or not said program counter coincides with said first address (see figures 12,16 item 36 and column 9 lines 10-15);

an address changing unit which changes said program counter to said second address, when it is determined to have coincided by said comparator (see figures 12,16 item 38 and column 9 lines 20-25); and

a data bus which updates said first address stored in said first address storage and said second address stored in said second address storage (see figures 14,15 connection between item 70 and item 62 and column 11 lines 10-16).

In regards to claim 4, 11, and 18, Miyazawa discloses:

an interface unit which performs control for storing said first and second addresses supplied from outside, via said data bus, in said first and second program storages (see figures 14,15 item 70 and column 10 line 35-45).

In regards to claim 5, 12, and 19, Miyazawa discloses:

wherein said first program storage is an ROM (see figure 14,15 item 60 and column 10 lines 13-14);

said second program storage is a rewritable memory (see figure 14,15 item 74 and column 10 lines 39-45); and

said second program is a program which updates at least portion of said first program (see figure 14,15 item 74 and column 10 lines 39-45).

In regards to claim 6, 13, and 20, Miyazawa discloses:

wherein said second program is a debug program which performs a debug at an arbitrary location in said first program (see column 10 lines 39-45);

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said first address is a head address at a location which performs the debug in said first program; and said second address is a head address of said debug program (see column 10 lines 39-45).

In regards to claim 7 and 14, Miyazawa discloses:

an interface unit which performs control for storing said second program, said first address and said second address supplied from outside via said data bus, in said second program storage, said first address storage and said second address storage, respectively, and performs control for supplying a result of executing said debug program to outside (see figures 14,15 item 70 and column 10 line 35-45).

Allowable Subject Matter

Claims 2, 3, 9, 10, 16, and 17 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

See PTO 892.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Emerson C. Puente whose telephone number is (571) 272-3652. The examiner can normally be reached on 8-5 M-F.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert W. Beausoliel can be reached on (571) 272-3645. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ECP
4/9/06


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